

# KENWOOD

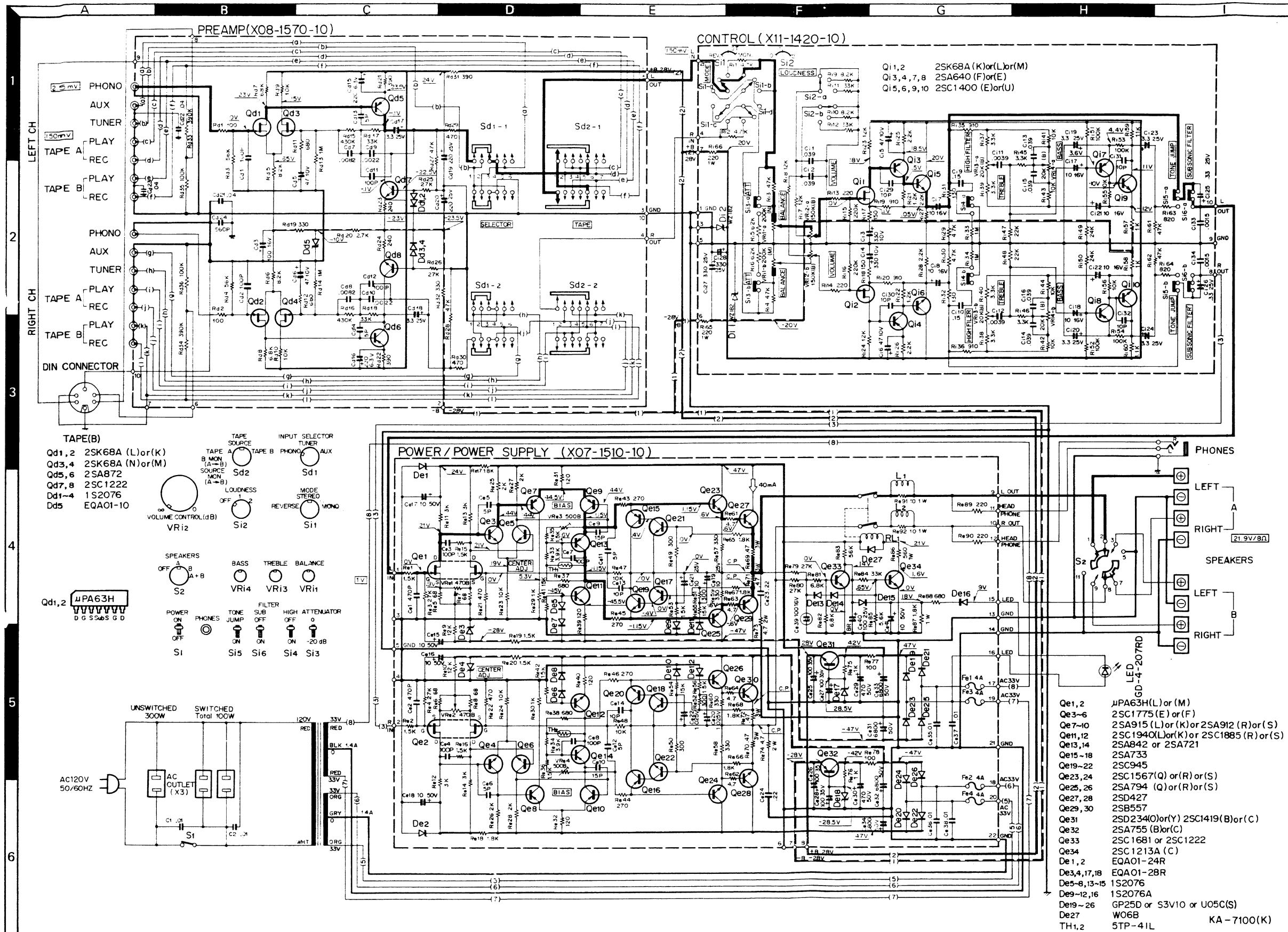
# KA-7100

MODEL

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## SERVICE MANUAL

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### POWER AMPLIFIER SECTION

#### POWER OUTPUT

60 watts\* per channel, minimum RMS, at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.02% total harmonic distortion.

#### Both Channel Driven

60 + 60 watts 8 ohms at 1,000 Hz
80 + 80 watts 4 ohms at 1,000 Hz
250 watts 4 ohms
0.02% at rated power into 8 ohms
0.02% at 1 watt into 8 ohms
0.01% at rated power into 8 ohms
0.01% at 1 watt into 8 ohms
5 Hz to 45,000 Hz
D.C. to 100,000 Hz +0 dB, -1.5 dB
120 dB (short circuited)
50 at 8 ohms
Accept 4 ohms to 16 ohms

### PRE AMPLIFIER SECTION

#### Input Sensitivity/Impedance/Signal to Noise Ratio (IHF A curve)

Phono	2.5 mV/ 50 k ohms/ 80 dB
Tuner	150 mV/ 50 k ohms/ 110 dB
AUX	150 mV/ 50 k ohms/ 110 dB
Tape	150 mV/ 50 k ohms/ 110 dB
Maximum Input Level for Phono	200 mV (rms), T.H.D. 0.02% at 1,000 Hz

#### Output Level/Impedance

Tape REC (Pin)	150 mV/ 450 ohms
(DIN)	30 mV 80 k ohms

#### Frequency Response

Phono	RIAA standard curve +0.2 dB, -0.2 dB
AUX & Tape	10 Hz to 100,000 Hz +0 dB, -1.8 dB

#### Tone Control

Bass	+ 7.5 dB at 100 Hz
Treble	+ 7.5 dB at 10,000 Hz

#### Loudness Control (-30 dB)

(1)	+ 3 dB at 100 Hz
(2)	+ 6 dB at 100 Hz

#### Subsonic Filter

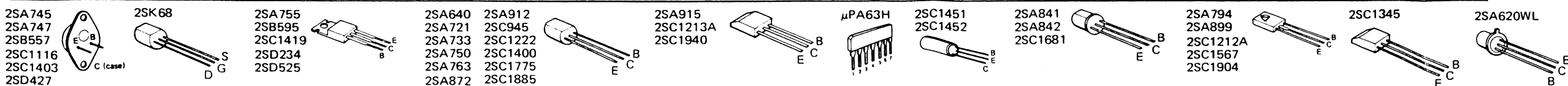
High Filter	20 Hz, 6 dB/oct
	8 kHz, 6 dB/oct

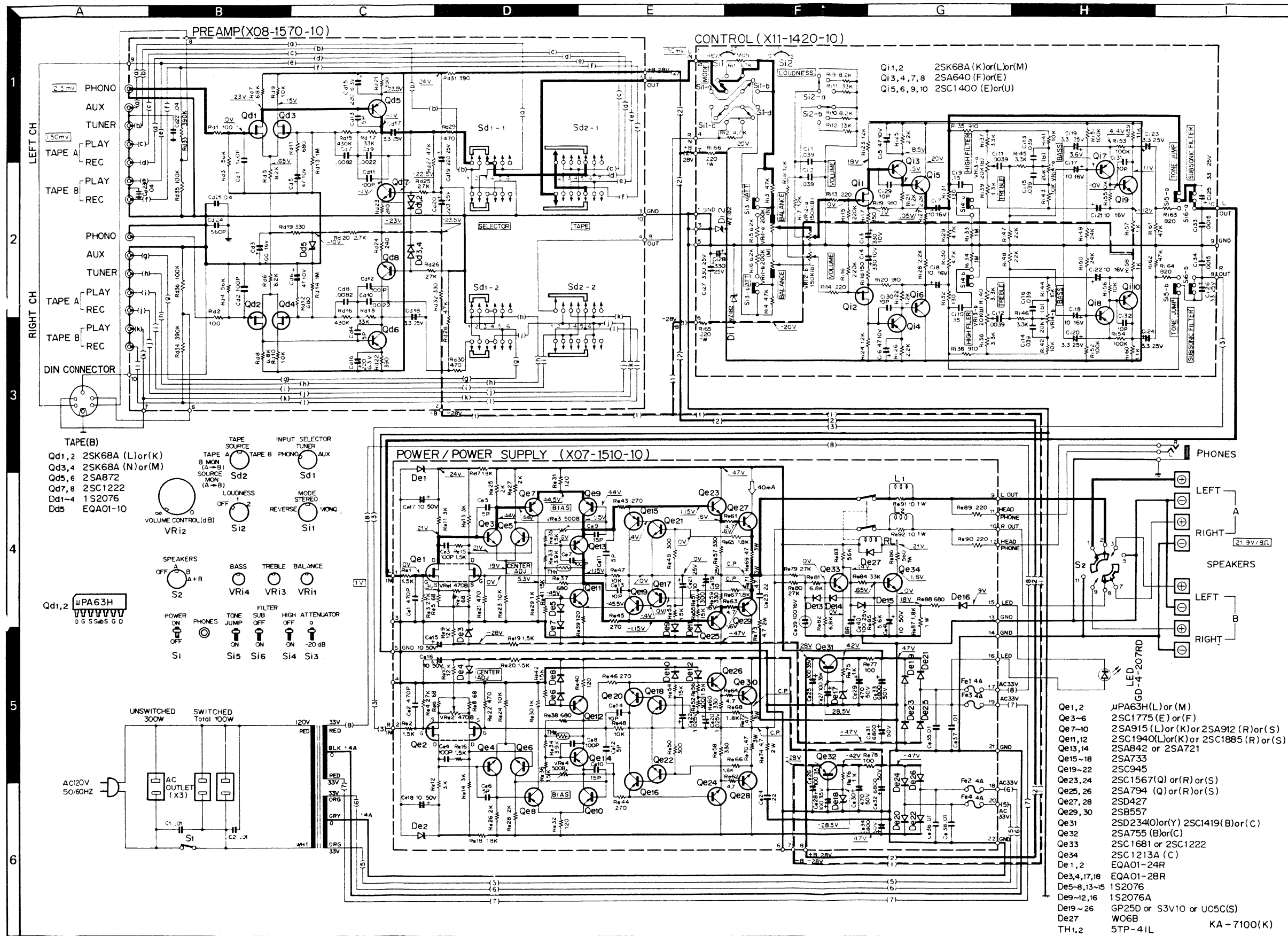
### GENERAL

Power Consumption	460 watts at full power
A.C. Outlet	Switched 2, Unswitched 1
Dimensions	W 16-15/16" (430 mm)
	H 5-7/8" (149 mm)
	D 14-15/16" (379 mm)
Weight (Net)	25.4 lbs. (11.5 kg)

\* Measured pursuant to Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier.

Note: Specifications and the design subject to possible modification without notice due to improvements.





### POWER AMPLIFIER SECTION

#### POWER OUTPUT

60 watts\* per channel, minimum RMS, at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.02% total harmonic distortion.

Both Channel Driven	60 + 60 watts 8 ohms at 1,000 Hz
Dynamic Power Output	80 + 80 watts 4 ohms at 1,000 Hz
Total Harmonic Distortion	250 watts 4 ohms
	0.02% at rated power into 8 ohms
	0.02% at 1 watt into 8 ohms
Intermodulation Distortion	0.01% at rated power into 8 ohms
(60 Hz : 7 kHz = 4 : 1)	0.01% at 1 watt into 8 ohms
Power Bandwidth	5 Hz to 45,000 Hz
Frequency Response	D.C. to 100,000 Hz +0 dB, -1.5 dB
Signal to Noise Ratio	120 dB (short circuited)
Damping Factor	50 at 8 ohms
Speaker Impedance	Accept 4 ohms to 16 ohms

### PRE AMPLIFIER SECTION

#### Input Sensitivity/Impedance/Signal to Noise Ratio (IHF A curve)

Phono	2.5 mV/ 50 k ohms/ 80 dB
Tuner	150 mV/ 50 k ohms/ 110 dB
AUX	150 mV/ 50 k ohms/ 110 dB
Tape	150 mV/ 50 k ohms/ 110 dB
Maximum Input Level for Phono	200 mV (rms), T.H.D. 0.02% at 1,000 Hz
Output Level/Impedance	
Tape REC (Pin)	150 mV/ 450 ohms
(DIN)	30 mV 80 k ohms

#### Frequency Response

Phono	RIAA standard curve +0.2 dB, -0.2 dB
AUX & Tape	10 Hz to 100,000 Hz +0 dB, -1.8 dB

#### Tone Control

Bass	+7.5 dB at 100 Hz
Treble	+7.5 dB at 10,000 Hz
Loudness Control (-30 dB)	+3 dB at 100 Hz
	+6 dB at 100 Hz

#### Subsonic Filter

#### High Filter

### GENERAL

Power Consumption	460 watts at full power
A.C. Outlet	Switched 2, Unswitched 1
Dimensions	W 16-15/16" (430 mm)
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